

Figure 1

Wild type 3' LTR sequence:

- 1 GAACAGATGG AACAGCTGAA TATGGGCCAA ACAGGATATC TGTGG TAAGC
- 51 AGTTCC TGCC CCGGCTCAGG GCCAAGAACA GATGGAACAG CTGAATATGG
- 101 GCCAAACAGG ATATCTGTGG TAAGCAGTTC CTGCCCCGGC TCAGGGCCAA
- 151 GAACAGATGG TCCCCAGATG CGGTCCAGCC CTCAGCAGTT TCTAGAGAAC
- 201 CATCAGATGT TTCCAGGGTG CCCCAAGGAC CTGAAATGAC CCTGTGCCTT
- 251 ATTTGAACTA ACCAATCAGT TCGCTTCTCG CTTCTGTTCG CGCGCTTCTG
- 301 CTCCCCGAGC TCAATAAAA

Corresponding modified 3' LTR sequence from pENZ1 (modified sequences in bold italics):

- ACGCTTGATC CGGCTACCTG CCCATTCGAC CACCAAGCGA AACATCGCAT
- 51 CGAGCGAGCA CGTACTCGGA TGGAAGCCGG TCTTGTCGAT CAGGATGATC
- 101 TGGACGAAGA GCATCAGGGG CTCGCGCCAG CCGAACTGTT CGCCAGGCTC
- 151 AAGGCGCGCA TGCCCGACGG CGAGGATCTC GTCGTGACTT TCTAGAGAAC
- 201 CATCAGATGT TTCCAGGGTG CCCCAAGGAC CTGAAATGAC CCTGTGCCTT
- 251 ATTTGAACTA ACCGGTCAGT TCGCTTCTCG CTTCTGTTCG CGCGCTTCTG
- 301 CTCCCGAGC TCAGCTGCG

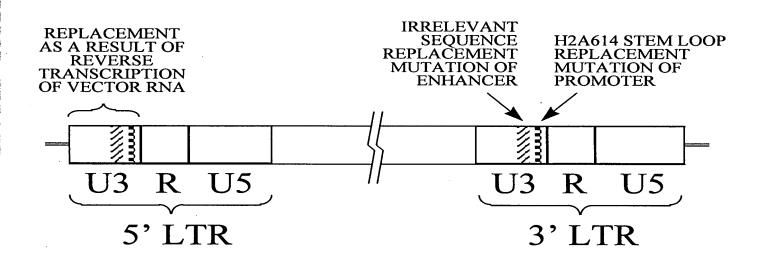


Figure 3

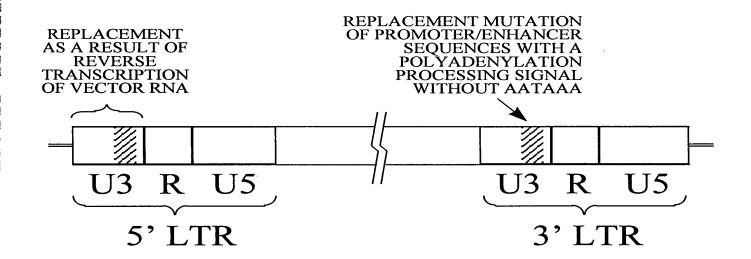


Figure 4

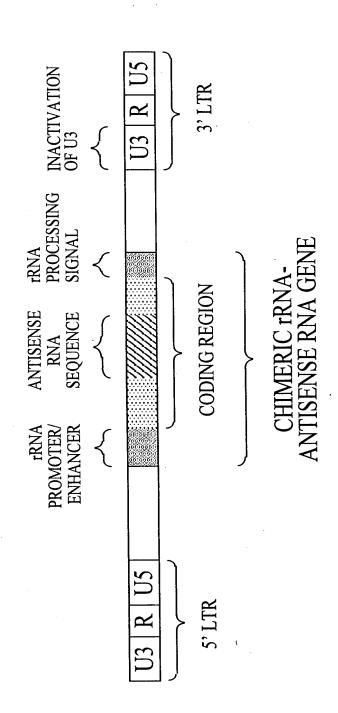


Figure 5

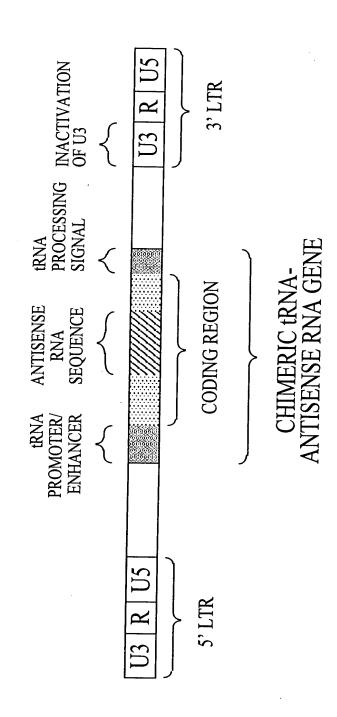


Figure 6

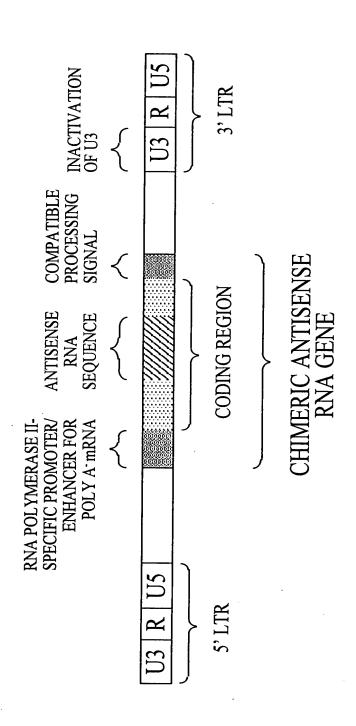


Figure 7

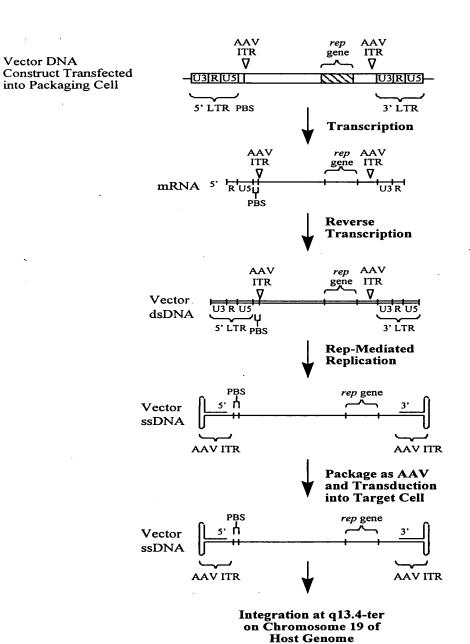


Figure 8

Vector DNA

into Packaging Cell

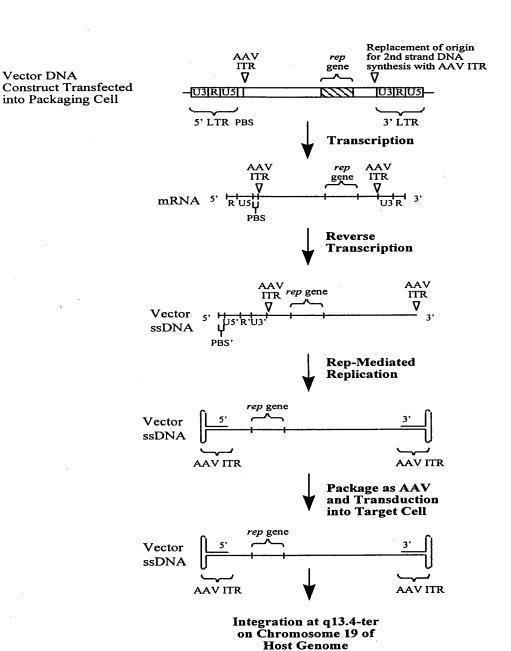


Figure 9

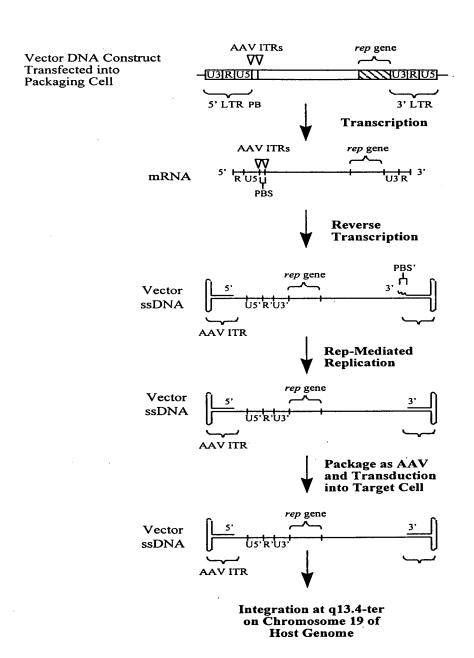


Figure 10

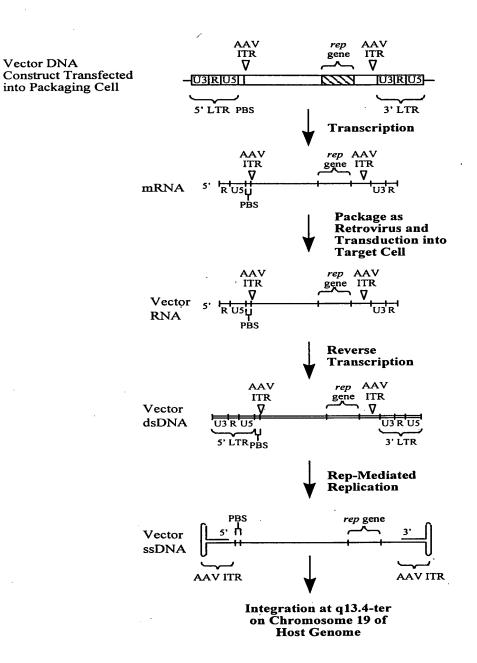


Figure 11

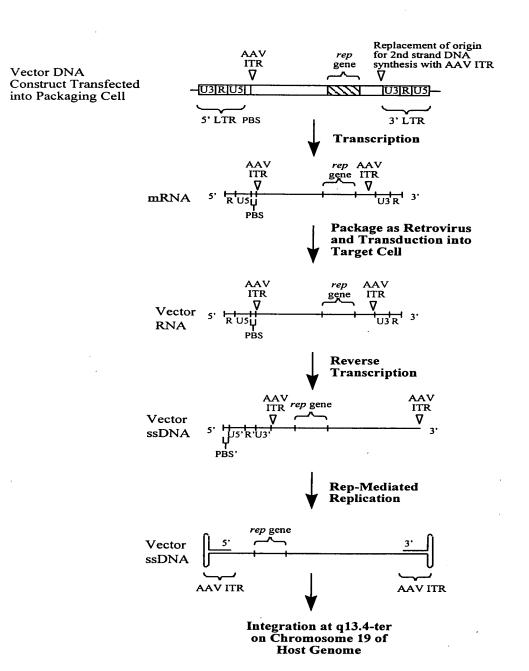


Figure 12

Transfected into

Packaging Cell



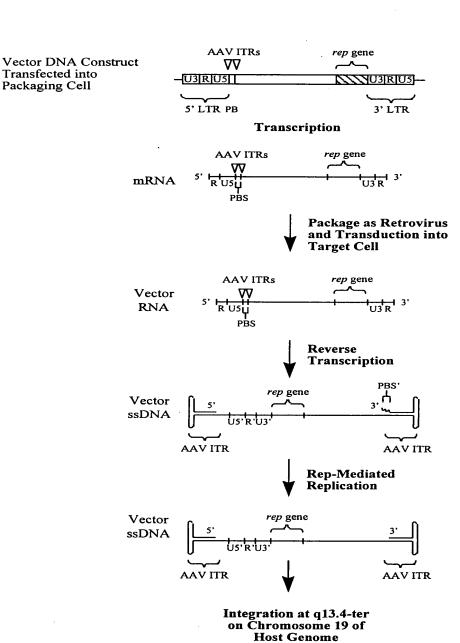


Figure 13